

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10562467"	US-PGPUB; USPAT	OR	ON	2009/05/22 14:45
S2	43	((YUKIO) near2 (MIYAIRI)).INV.	US-PGPUB; USPAT	OR	ON	2009/05/25 08:55
S3	19	((YASUMASA) near2 (FUJIOKA)).INV.	US-PGPUB; USPAT	OR	ON	2009/05/25 09:02
S4	48	((MASAAKI) near2 (MASUDA)).INV.	US-PGPUB; USPAT	OR	ON	2009/05/25 09:02
S5	65	((TAKESHI) near2 (SAKUMA)).INV.	US-PGPUB; USPAT	OR	ON	2009/05/25 09:03
S6	1	"10544527"	US-PGPUB; USPAT	OR	ON	2009/05/25 09:26
S7	1	"6979892"	US-PGPUB; USPAT	OR	ON	2009/05/25 09:31
S8	1	"6821493"	US-PGPUB; USPAT	OR	ON	2009/05/25 09:32
S9	4308	422/186-186.29.ccls.	US-PGPUB; USPAT	OR	ON	2009/05/25 09:48
S10	1947	422/186-186.29.ccls. and electrode	US-PGPUB; USPAT	OR	ON	2009/05/25 09:49
S11	1024	422/186-186.29.ccls. and electrode and plasma	US-PGPUB; USPAT	OR	ON	2009/05/25 09:49
S12	490	422/186-186.29.ccls. and electrode and plasma and exhaust	US-PGPUB; USPAT	OR	ON	2009/05/25 09:49
S13	317	422/186-186.29.ccls. and electrode and plasma and exhaust and @py<"2005"	US-PGPUB; USPAT	OR	ON	2009/05/25 09:50
S14	674	422/186-186.29.ccls. and electrode and plasma and @py<"2005"	US-PGPUB; USPAT	OR	ON	2009/05/25 09:50
S15	0	2002/0076363	US-PGPUB; USPAT	OR	ON	2009/05/25 10:01
S16	1	"20020076363"	US-PGPUB; USPAT	OR	ON	2009/05/25 10:01

S17	741	422/186-186.29.ccls. and electrode and plasma and (plate or flat or planar)	US-PGPUB; USPAT	OR	ON	2009/05/25 10:07
S18	366	422/186-186.29.ccls. and electrode and plasma and (plate or flat or planar) and exhaust	US-PGPUB; USPAT	OR	ON	2009/05/25 10:07
S19	280	422/186-186.29.ccls. and electrode and plasma and (plate or flat or planar) and exhaust and @py<"2006"	US-PGPUB; USPAT	OR	ON	2009/05/25 10:08
S20	4722	delphi.as.	US-PGPUB; USPAT	OR	ON	2009/05/25 10:13
S21	142	delphi.as. and plasma	US-PGPUB; USPAT	OR	ON	2009/05/25 10:13
S22	72	delphi.as. and plasma and electrode	US-PGPUB; USPAT	OR	ON	2009/05/25 10:14
S23	13040	(plate or flat or planar) and electrode and plasma and exhaust	US-PGPUB; USPAT	OR	ON	2009/05/25 10:17
S24	6787	(plate or flat or planar) and electrode and plasma and exhaust and dielectric	US-PGPUB; USPAT	OR	ON	2009/05/25 10:17
S25	4067	(plate or flat or planar) and electrode and plasma and exhaust and dielectric and @py<"2006"	US-PGPUB; USPAT	OR	ON	2009/05/25 10:17
S26	1626	(plate or flat or planar) and electrode and plasma and exhaust and dielectric and @py<"2006" and reactor	US-PGPUB; USPAT	OR	ON	2009/05/25 10:18
S27	1138	(plate or flat or planar) and electrode and plasma and exhaust and dielectric and @py<"2006" and (plasma with reactor)	US-PGPUB; USPAT	OR	ON	2009/05/25 10:19
S28	1138	(plate or flat or planar) and electrode and plasma and exhaust and dielectric and @py<"2006" and (plasma with reactor) and reactor	US-PGPUB; USPAT	OR	ON	2009/05/25 10:19

S29	863	(plate or flat or planar) and electrode and plasma and exhaust and dielectric and @py<"2006" and (plasma near3 reactor) and reactor	US-PGPUB; USPAT	OR	ON	2009/05/25 10:20
S30	117	(plate or flat or planar) and electrode and plasma and exhaust and dielectric and @py<"2006" and (plasma near3 reactor) and reactor and engine	US-PGPUB; USPAT	OR	ON	2009/05/25 10:20
S31	2	09/881641	US-PGPUB; USPAT	OR	ON	2009/05/25 10:22
S32	2	09/881277	US-PGPUB; USPAT	OR	ON	2009/05/25 10:23
S33	1	"20020192127"	US-PGPUB; USPAT	OR	ON	2009/05/25 10:24
S34	0	"2002/0192127"	US-PGPUB; USPAT	OR	ON	2009/05/25 10:25
S35	10	(plate or flat or planar) and electrode and plasma and exhaust and dielectric and @py<"2006" and (plasma near3 reactor) and reactor and engine	EPO; JPO; DERWENT	OR	ON	2009/05/25 10:31
S36	20	(plate or flat or planar) and electrode and plasma and exhaust and dielectric and @py<"2006" and (plasma near3 reactor) and reactor	EPO; JPO; DERWENT	OR	ON	2009/05/25 10:32
S37	27	(plate or flat or planar) and electrode and plasma and exhaust and dielectric and @py<"2006" and reactor	EPO; JPO; DERWENT	OR	ON	2009/05/25 10:32
S38	71	(plate or flat or planar) and electrode and plasma and exhaust and @py<"2006" and reactor	EPO; JPO; DERWENT	OR	ON	2009/05/25 10:32
S39	442	(plate or flat or planar) and electrode and plasma and @py<"2006" and reactor	EPO; JPO; DERWENT	OR	ON	2009/05/25 10:37

S40	12139	denso.as.	US-PGPUB; USPAT	OR	ON	2009/05/25 10:57
S41	12139	denso.as.	US-PGPUB; USPAT	OR	ON	2009/05/25 10:57
S42	399	denso.as. and plasma	US-PGPUB; USPAT	OR	ON	2009/05/25 10:57
S43	299	denso.as. and plasma and electrode	US-PGPUB; USPAT	OR	ON	2009/05/25 10:57
S44	55	denso.as. and plasma and electrode and exhaust	US-PGPUB; USPAT	OR	ON	2009/05/25 10:57
S45	1	denso.as. and "256851"	US-PGPUB; USPAT	OR	ON	2009/05/25 11:05
S46	0	denso.as. and "2002- 256851"	US-PGPUB; USPAT	OR	ON	2009/05/25 11:06
S47	0	denso.as. and "2002 \$1256851"	US-PGPUB; USPAT	OR	ON	2009/05/25 11:06
S48	0	"2002\$1256851"	US-PGPUB; USPAT	OR	ON	2009/05/25 11:06
S49	0	"2005\$1256851"	US-PGPUB; USPAT	OR	ON	2009/05/25 11:06
S50	14	"256851"	US-PGPUB; USPAT	OR	ON	2009/05/25 11:07
S51	1	"256851" and denso.as.	US-PGPUB; USPAT	OR	ON	2009/05/25 11:07
S52	1	"256851" and denso.as.	EPO; JPO; DERWENT	OR	ON	2009/05/25 11:07
S53	138	denso.as. and arakawa. in.	EPO; JPO; DERWENT	OR	ON	2009/05/25 11:08
S54	49	denso.as. and arakawa. in. and exhaust	EPO; JPO; DERWENT	OR	ON	2009/05/25 11:08
S55	7	denso.as. and arakawa. in. and exhaust and plasma	EPO; JPO; DERWENT	OR	ON	2009/05/25 11:08
S56	7	denso.as. and arakawa. in. and exhaust and plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/25 11:08
S57	41	arakawa.in. and exhaust and plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/25 11:10
S58	19	arakawa.in. and exhaust and plasma	US-PGPUB; USPAT	OR	ON	2009/05/25 11:10
S59	2	09/740572	US-PGPUB; USPAT	OR	ON	2009/05/25 11:33
S60	1030	422/186.04.ccls.	US-PGPUB; USPAT	OR	ON	2009/05/25 11:57

S61	376	422/186.04.ccls. and exhaust	US-PGPUB; USPAT	OR	ON	2009/05/25 11:57
S62	335	422/186.04.ccls. and exhaust and electrode	US-PGPUB; USPAT	OR	ON	2009/05/25 11:57
S63	276	422/186.04.ccls. and exhaust and electrode and plasma	US-PGPUB; USPAT	OR	ON	2009/05/25 11:57
S64	177	422/186.04.ccls. and exhaust and electrode and plasma and reactor	US-PGPUB; USPAT	OR	ON	2009/05/25 11:57
S65	57	422/186.ccls. and exhaust and electrode and plasma and reactor	US-PGPUB; USPAT	OR	ON	2009/05/25 12:03
S66	25	(yuichiro near2 imanishi).in.	US-PGPUB; USPAT	OR	ON	2009/05/25 12:24
S67	64	(fumio near2 abe).in.	US-PGPUB; USPAT	OR	ON	2009/05/25 12:26
S68	37	("3815000"   "3976448"   "3979193"   "4130490"   "4148705"   "4189308"   "4209357"   "4285800"   "4313739"   "4381965"   "4438706"   "4443409"   "4472174"   "4491606"   "4492971"   "4509434"   "4526670"   "4554045"   "4631105"   "4644877"   "4695358"   "4735633"   "4792378"   "4887005"   "5009738"   "5146140"   "5304486"   "5330578"   "5415719"   "5543688"   "5820947"   "6007672"   "6119455"   "6146599"   "6159432"   "6576202"   "6967007").PN. OR ("7241428").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/25 12:30
S69	844	NGK.as. and honeycomb	US-PGPUB; USPAT	OR	ON	2009/05/25 13:29
S70	25	NGK.as. and honeycomb and plasma	US-PGPUB; USPAT	OR	ON	2009/05/25 13:29
S71	33	(NGK.as. or honda.as.) and honeycomb and plasma	US-PGPUB; USPAT	OR	ON	2009/05/25 13:32

S72	4513	honeycomb and plasma	US-PGPUB; USPAT	OR	ON	2009/05/25 13:32
S73	189	honeycomb and plasma adj reactor	US-PGPUB; USPAT	OR	ON	2009/05/25 13:32
S74	189	honeycomb and (plasma adj reactor)	US-PGPUB; USPAT	OR	ON	2009/05/25 13:32
S75	130	honeycomb and (plasma adj reactor) and electrode	US-PGPUB; USPAT	OR	ON	2009/05/25 13:32
S76	54	(filter with upstream) and (plasma adj reactor) and electrode	US-PGPUB; USPAT	OR	ON	2009/05/25 13:51
S77	28	(filter with upstream) and (plasma adj reactor) and electrode and @py<"2005"	US-PGPUB; USPAT	OR	ON	2009/05/25 13:51
S78	35	honeycomb and (denso. as. or ngk.as. or honda. as. or delphi.as.) and (plasma near2 reactor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/25 14:00
S79	208	(denso.as. or ngk.as. or honda.as. or delphi.as.) and (plasma near2 reactor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/25 14:03
S80	36	(denso.as. or ngk.as. or honda.as. or delphi.as.) and (plasma near2 reactor) and honey \$1comb	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/25 14:03
S81	49	(denso.as. or ngk.as. or honda.as. or delphi.as.) and (plasma near2 reactor) and (honey \$1comb or filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/25 14:03
S82	0	JP0523976	US-PGPUB; USPAT	OR	ON	2009/05/28 13:41
S83	0	JP05/23976	US-PGPUB; USPAT	OR	ON	2009/05/28 13:41
S84	0	"JP05/23976"	US-PGPUB; USPAT	OR	ON	2009/05/28 13:41
S85	0	"JP05\$123976"	US-PGPUB; USPAT	OR	ON	2009/05/28 13:41
S86	276	"23976"	US-PGPUB; USPAT	OR	ON	2009/05/28 13:41
S87	46	"23976" and JP	US-PGPUB; USPAT	OR	ON	2009/05/28 13:42

S88	24	("2826708"   "2934665"   "3173248"   "3173298"   "3376469"   "3443358"   "3625846"   "3715625"   "4214187").PN. OR ("4472174").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:48
S89	33	("2345798"   "3865733"   "3898468"   "5304486"   "5411713"   "5427747"   "5516493"   "5746984"   "5759497"   "5822981"   "5836154"   "5843288"   "5895632").PN. OR ("6146599").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:50
S90	2	"6887440"	US-PGPUB; USPAT	OR	ON	2009/05/28 14:04
S91	2504	(plate or flat or planar) and electrode and plasma and exhaust and @py<"2006" and reactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/28 14:51
S92	1653	(plate or flat or planar) and electrode and plasma and exhaust and @py<"2006" and reactor and dielectric	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/28 14:51
S93	2060	(plate or flat or planar) and electrode and plasma and exhaust and @py<"2006" and reactor and (dielectric or ceramic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/28 14:51
S94	138	(plate or flat or planar) and electrode and plasma and exhaust and @py<"2006" and reactor and ((dielectric or ceramic) same (break or crack))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/28 14:52
S95	304	(plate or flat or planar) and electrode and plasma and exhaust and @py<"2006" and reactor and ((dielectric or ceramic) same (break \$3 or crack\$3 or distortion))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/28 14:59

S96	48	(plate or flat or planar) and electrode and plasma and exhaust and @py<"2006" and reactor and ((dielectric or ceramic) same (break \$3 or crack\$3 or distortion)) and ("422". clas. or "204".clas. or "205".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/05/28 15:00
S97	13423	kovar or ((nickle or ni) near2 (iron or fe)) and plasma and electrode	US-PGPUB; USPAT	OR	ON	2009/06/02 10:31
S98	7675	(kovar or ((nickle or ni) near2 (iron or fe))) and plasma and electrode	US-PGPUB; USPAT	OR	ON	2009/06/02 10:31
S99	2959	(kovar or ((nickle or ni) near2 (iron or fe))) and plasma and electrode and @py<"2004"	US-PGPUB; USPAT	OR	ON	2009/06/02 10:31
S100	50	(kovar or ((nickle or ni) near2 (iron or fe))) and plasma and electrode and @py<"2004" and "422".clas.	US-PGPUB; USPAT	OR	ON	2009/06/02 10:32
S101	22	(kovar or (((nickle or ni) near2 (iron or fe)) with alloy)) and plasma and electrode and @py<"2004" and "422". clas.	US-PGPUB; USPAT	OR	ON	2009/06/02 10:33
S102	22	(kovar or invar or (((nickle or ni) near2 (iron or fe)) with alloy)) and plasma and electrode and @py<"2004" and "422". clas.	US-PGPUB; USPAT	OR	ON	2009/06/02 10:38
S103	169	(kovar or invar or (((nickle or ni) near2 (iron or fe)) with alloy)) and plasma and electrode and @py<"2004" and ("422". clas. or "204".clas. or "205".clas.)	US-PGPUB; USPAT	OR	ON	2009/06/02 10:38



S104	1	(kovar or invar or (((nickle or ni) near2 (iron or fe)) with alloy)) and plasma near1 reactor and electrode and @py<"2004" and ("422".clas. or "204".clas. or "205".clas.)	US-PGPUB; USPAT	OR	ON	2009/06/02 10:38
S105	1	(kovar or invar or (((nickle or ni) near2 (iron or fe)) with alloy)) and (plasma near1 reactor) and electrode and @py<"2004" and ("422".clas. or "204".clas. or "205".clas.)	US-PGPUB; USPAT	OR	ON	2009/06/02 10:38
S106	14	(kovar or invar or (((nickle or ni) near2 (iron or fe)) with alloy)) and (plasma near1 reactor) and electrode and @py<"2004"	US-PGPUB; USPAT	OR	ON	2009/06/02 10:39
S107	8	"1,835,789"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 10:42
S108	2	"6,278,756"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 10:46
S109	8248	(plasma near1 (reactor or electrode)) and plate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:05
S110	4944	(plasma near1 (reactor or electrode)) and plate and @py<"2005"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:06
S111	2000	(plasma near1 (reactor or electrode)) and plate and @py<"2005" and connect\$3 with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:06
S112	1790	(plasma near1 (reactor or electrode)) and plate and @py<"2005" and connect\$3 with electrode and electric\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:06
S113	1466	(plasma near1 (reactor or electrode)) and plate and @py<"2004" and connect\$3 with electrode and electric\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:07

S114	785	(plasma near1 (reactor or electrode)) and plate and @py<"2004" and (connect\$3 with electrode same electric \$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:07
S115	124	(plasma near1 (reactor or electrode)) and plate and @py<"2004" and (connect\$3 with electrode same electric \$2) and "thermal expansion"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:08
S116	24	(plasma near1 (reactor or electrode)) and plate and @py<"2004" and (connect\$3 with electrode same electric \$2) and "thermal expansion coefficient"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:08
S117	785	(plasma near1 (reactor or electrode)) and plate and @py<"2004" and (connect\$3 with electrode same electric \$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:10
S118	6	(plasma near1 (reactor or electrode)) and plate and @py<"2004" and (connect\$3 with electrode same electric \$2) and "thermal expansion" and plating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:44
S119	65	(plasma near1 (reactor or electrode)) and plate and @py<"2004" and (connect\$3 with electrode same electric \$2) and plating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:45
S120	17	(plasma near1 (reactor or electrode)) and plate and @py<"2004" and (connect\$3 with electrode same electric \$2) and (plating same connect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/02 11:45
S121	10	honeycomb and (denso. as. or ngk.as. or honda. as. or delphi.as.) and (plasma near2 reactor) and @py<"2005"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/15 12:56

S122	19	honeycomb and (denso. as. or ngk.as. or honda. as. or delphi.as.) and (plasma near2 (reactor or electrode or generator)) and @py<"2005"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/15 13:05
------	----	---	--	----	----	---------------------

**EAST Search History (I nterference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S123	8829	(plasma with (electrode or reactor)). clm.	USPAT; UPAD	OR	ON	2010/03/05 12:47
S124	8301	(plasma with (electrode or reactor)). clm. and electrode	USPAT; UPAD	OR	ON	2010/03/05 12:48
S125	3998	(plasma with (electrode or reactor)). clm. and electrode and plate	USPAT; UPAD	OR	ON	2010/03/05 12:48
S126	35	(plasma with (electrode or reactor)). clm. and electrode and plate and "holding member"	USPAT; UPAD	OR	ON	2010/03/05 12:48
S127	39	(plasma with (electrode or reactor)). clm. and electrode and plate and cantilever	USPAT; UPAD	OR	ON	2010/03/05 12:52

**3/ 5/ 2010 1:21:11 PM****C:\ Documents and Settings\ bripa\ My Documents\ EAST\ Workspaces\ 10562467.wsp**